



Mains Practice Question

Q. Explain the purpose of the Green Grid Initiative launched at World Leaders Summit of the COP26 UN Climate Change Conference in Glasgow in November, 2021. When was this idea first floated in the International Solar Alliance (ISA)? (150 Words)

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Approach

- Start with writing about the Green Grid initiative launched at the World Leaders Summit of COP26 UN Climate Change Conference in Glasgow.
- Explain the aim/purpose of the Green Grid Initiative.
- Conclude with explaining the significance of the initiative.

Answer

The Green Grid or the One Sun One World One Grid (OSOWOG) initiative was announced at COP- 26, Glasgow by India and the UK.

The initiative is aimed at accelerating the development and deployment of interconnected electricity grids across continents, countries, and communities, and improving energy access of the poorest through mini-grids and off-grid solutions.

The idea for the single global solar grid was first outlined at the International Solar Alliance in 2018, by the Prime Minister of India.

The Green Grid Initiative aims

- To speed up the process of decarbonising energy production.
- To create an international network of global interconnected solar power grid to ensure 24×7 supply of green power.
- To help in increasing investment in R&D centers by pooling skill, technology and financial resources.

As good as it sounds, the implementation of the Green Grid has to counter the following challenges:

- The creation of global transmission infrastructure involves huge financing.
- For connecting with the Green Grid, a global cooperation between the countries is needed.
- As the grid will pass through several geographical locations, it will be sensitive to the security risks emanating from terror organisations.

The Green Grid initiative is a transformational new programme, with the goal of making universal access to renewable energy a reality. It will ensure that clean power is the most affordable and reliable option for all countries to meet their energy needs efficiently by 2030.

